: MOUNTING BRACKET

. D2053 WHITH DEED PH 01.04.11

Qty:

30 Um:

Each

: D2053

: N/A

: U/R

: 05/05/2008

Thursday, 10/04/2008 4:00:30 PM Ulie Lecocq

: 10250

Process Sheet

Drawing Name

Part Number

Material **Due Date**

Drawing Number

Project Number

Drawing Revision

Customer Job Number : CU-DAR001 Dart Helicopters Services

Type

S.O. No. :

Estimate Number

: 38531

P.O. Number

This Issue

: 10/04/2008 : NC Prsht Rev.

: // First Issue

: 35362 **Previous Run**

Written By

Checked & Approved By

Comment

: Est D 02.03.18

Added Rev.B NG (Issue this IPP with part number D2052)

Est Rev E now water jet 07-10-25 DD

: MACHINED PARTS

Additional Product

Job Number:



Seq. #:

Machine Or Operation:

Description:

1.0

3.0

M5052H32S090

Comment: Qty.:

0.04043 sf(s)/Unit Total: 1.21275 sf(s)

Material: 5052-H32, 0.090" Thick

(M5052H3S.090)

Batch: 10C

2.0 WATER JET FLOW WATER JET



1-Cut as per Dwg D2053

Dwg Rev: U/R

Prog Rev:___

2-Deburr if necessary

8-4-15

Comment: INSPECT PARTS AS THEY COME OFF MACHINE

4.0 QC8

QC2

SECOND CHECK

Comment: SECOND CHECK

5.0 BRAKE NC NC BRAKE



Comment: NC BRAKE Form as per Dwg D2053 using CNC Brake

SB

Page 1

Form: rprocess

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES									
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector				
08.04.2)	4	Remove att (2) \$0.213 holes • Remove att (2) \$0.213 holes • Drill \$0.698 @ 1.40 and 0.40 AS Per Doug-	FF	08/04/30	цb	03.547 03	Solos				

Part No:	PAR #: Fault Category:		NCR: Yes No	DQA:	Date:	
		•	QA: N/C	Closed:	Date:	

NCR:		WORK ORDER NON-CONFORMANCE (NCR)								
		Description of NC		Corrective Action Section B		Verification Section C	Approval Chief Eng	A		
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date			Approval QC Inspector		
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NOTE: Date & initial all entries

Date: Thursday, 10/04/2008 4:00:30 PM Julie Lecocq Ųser; **Process Sheet** Customer: CU-DAR001 Dart Helicopters Services **Drawing Name: MOUNTING BRACKET** Job Number: 38531 Part Number: D2053 Job Number: Seq. #: **Machine Or Operation:** Description: 6.0 QC5 INSPECT WORK TO CURRENT STEP Comment: INSPECT WORK TO CURRENT STEP HAND FINISHING1 7.0 HAND FINISHING RESOURCE #1 Comment: HAND FINISHING RESOURCE #1 Acid etch and Alodine as per QSI 005 8.0 POWDER COATING POWDER COATING M107550 Comment: POWDER COATING Powder Coat Black Sandtex (Ref 4.3.5.8) as per QSI 005 4.3 9.0 QC3 INSPECT POWDER COAT/CHEMICAL CONVERSIO Comment: INSPECT POWDER COAT 10.0 **PACKAGING 1** Comment: PACKAGING RESOURCE #1 Identify and Stock Location: 11.0 QC21 FINAL INSPECT W/O RELEASE Comment: FINAL INSP ECTION/W/O RELEASE Job Completion

Dart Ae	rospace i	_ta										
W/O:		WORK ORDER CHANGES										
DATE	STEP		PRO	CEDURE CHANGE		1	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
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Part No	•		PAR #:	Fault Category:		NC	R: Yes	No DQ	A:	Date: _	L	
	•						QA:	N/C Close	d:	_ Date: _		
NCR:			V	VORK ORDER NO	N-CONFOR	MANCE	(NC	R)				
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NCR:		WORK ORDER NON-CONFORMANCE (NCR)									
		Description of NC		Corrective Action Section B	Verification	A					
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	Approval QC Inspector			
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NOTE: Date & initial all entries



DESIG	#	DRAWN BY	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHEC	KED	APPROVED	DRAWING NO. REV	v. B
1	#	#	D2053 SHEET 1 C	OF 1
DATE			TITLE SC	CALE
02.0	03.12		BRACKET	1:1
A		92.01.12	NEW ISSUE	
В		02.03.12	Ø0.635 WAS Ø0.437; 0.635 WAS 0.32	5

BELEASE DOLLOS.13 F

UNDER REVIEW

25.08.30

0.90 R0.125 -1.25

SHOP COPY RETURN TO **ENGINEERING UNCONTROLLED COPY** SUBJECT TO AMENDMENT WITHOUT NOTICE WORK ORDER

REMOVE HOLES D2053 BRACKET REMOVE HOLES 2.800 R0.25 MOON (TYP) Ø0.635±0.005 1.08 1.979 R0.06 0.719 (TYP) (REF) 0.401 0.635 (REF) 1.00

D2053 FLAT PATTERN

MATERIAL: 5052-H32/-34 PER AMS 4016/4017 OR QQ-A-250/8, 0.090 THICK FINISH: POWDER COAT BLACK SANDTEX (4.3.5.7) PER DART QSI 005 4.3 TOLERANCES ARE PER DART QSI 0.18 UNLESS OTHERWISE NOTED ALL DIMENSIONS ARE IN INCHES

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DART AEROSPACE LTD	Work Order: 3853	
Description: MOUNTING BRACKET	Part Number: D 7053	
Inspection Dwg: DAS3 Rev: U/R	Page 1 of 1	

FIRST ARTICLE INSPECTION CHECKLIST

X First Article Prototype

Drawin g Dimensi on	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	
0 .635	7- ,005	,633	*			
1 2 800	4- ,010	808.6	*			
1.979	4- ,010	1.983	*			
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Measured by: US	Audited by:	Prototype Approval:	114
Date: 8-4-15	Date: 05 04 22	Date:	NIV

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Rev	Date	Change	Revised to	ov Approved
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\rightarrow		New Issue	KJ/JLM	į į
		1.10.7.0000	NJ/JLM	! ;



Peter Hum

From: David Shepherd [dshepherd@dartaero.com]

Sent: April 27, 2008 1:17 AM

To: 'Peter Hum'
Cc: 'Mike Petsche'

Subject: RE: D206-558 -> D2053 Bracket

Peter,

As discussed, the changes are accepable for the batch that is being made.

Can we update the drawing right away to match production? This is the second time I've had this request. I got the first request several months ago from Marc.

David

From: Peter Hum [mailto:phum@dartaero.com]

Sent: Friday, April 25, 2008 9:13 AM

To: David Shepherd

Subject: FW: D206-558 -> D2053 Bracket

David,

Per our phone conversation, I have clarified the location of the 0.098" hole (see attached) to be added. As previously discussed, the 0.213" holes are removed and will be drilled by the customer.

Peter

From: Peter Hum [mailto:phum@dartaero.com]

Sent: April 23, 2008 8:36 AM

To: 'David Shepherd' **Cc:** 'Chris Provencal'

Subject: FW: D206-558 -> D2053 Bracket

Importance: High

Production is making a new batch of D2053.

It seems like the last production of these parts had a 0.098" hole drilled on the centerline to allow the finishing to hang the piece for powder coating. However, the last work order has been misplaced.

Therefore, is it acceptable to drill the 0.098" hole as shown in the attached sketch? Chris or myself does not have delegation to sign off this change.

Peter

From: Marc Bellavance [mailto:mbellavance@dartaero.com]

Sent: April 22, 2008 2:25 PM

To: 'Peter Hum'
Cc: 'Jason Murdoch'

Subject: FW: D206-558 -> D2053 Bracket

Importance: High

Peter, FYI...

Murdoch, don't waste your time reading this shit, it's for your buddy Eric D.

Marc Bellavance Mechanical Designer/Technical Support

DART aerospace Ltd.

Tel: 613-632-5200 Ext. 240

Fax: 613-632-9311

E-mail: mbellavance@dartaero.com

Web: www.dartaero.com

From: David Shepherd [mailto:dshepherd@dartaero.com]

Sent: November 1, 2007 2:49 PM

To: 'Marc Bellavance'

Subject: RE: D206-558 -> D2053 Bracket

Recommend making parts without holes from now on.

David

From: Marc Bellavance [mailto:mbellavance@dartaero.com]

Sent: Thursday, November 01, 2007 9:57 AM

To: 'David Shepherd'

Subject: D206-558 -> D2053 Bracket

Importance: High

David,

I got an e-mail from David Duval asking for D2053 Rev. B DXF file.

He needs this to create the waterjet program to manufacture the flat pattern of the part.

Looking at the drawing, I have noticed that it is under review... since August 2005.

Roberto put it under review and he added this note: "Ø0.213 may come out? Check with David".

I have looked at D206-558 Installation Instructions.

The instructions to install the D2053 bracket indicate to pick up on existing nut plates (see page 4, note 3) but it is not specified whether the installer is required to drill holes through D2053 or not. I'm assuming that the holes must be there already.

Was there any plan to remove the holes?

If this is the case, we would need to update the IIN accordingly.

We might also need to update the ICA as well.

Marc Bellavance Internal Support/Product Improvement

DART aerospace Ltd.

Tel: 613-632-5200 Ext. 240

Fax: 613-632-9311

E-mail: mbellavance@dartaero.com

Web: www.dartaero.com

No virus found in this incoming message. Checked by AVG Free Edition.

Version: 7.5.503 / Virus Database: 269.15.17/1103 - Release Date: 11/1/2007 6:01 AM

No virus found in this outgoing message. Checked by AVG Free Edition.

Version: 7.5.503 / Virus Database: 269.15.17/1103 - Release Date: 11/1/2007 6:01 AM

No virus found in this incoming message.

Checked by AVG.

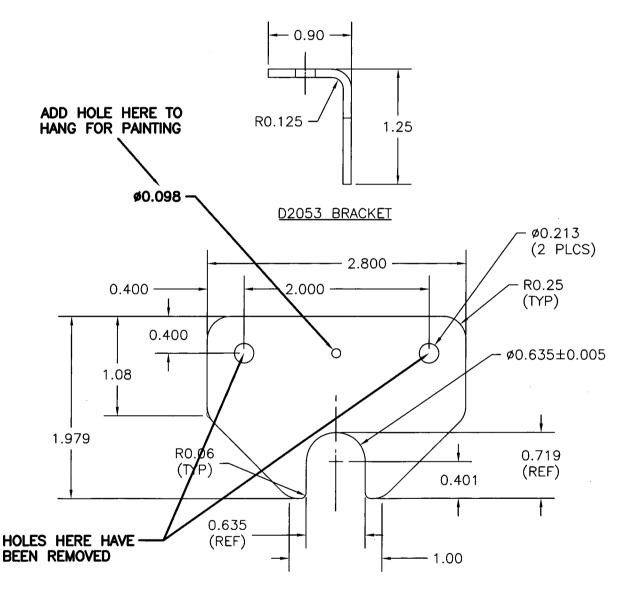
Version: 7.5.524 / Virus Database: 269.23.5/1399 - Release Date: 4/26/2008 2:17 PM

No virus found in this outgoing message.

Checked by AVG.

Version: 7.5.524 / Virus Database: 269.23.5/1399 - Release Date: 4/26/2008 2:17 PM

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	DESIG	N ·	DRAWN BY	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
	CHECH	(ED	APPROVED	DRAWING NO. REV. B
				D2053 SHEET 1 OF 1
	DATE			TITLE SCALE
	02.0	3.12		BRACKET 1:1
	Α		92.01.12	NEW ISSUE
	Ω		02 03 12	00 635 WAS 00 437: 0 635 WAS 0 325



D2053 FLAT PATTERN

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